

**JP5287139**

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**Abstract of JP5287139**

**PURPOSE:** To obtain the subject composition having excellent mechanical characteristics by recycling and using a fiber structure such as carpet by blending the fiber structure comprising polyamide-based fibers, polyester-based fibers, etc., with a specific polymer. **CONSTITUTION:** (A) 100 pts.wt. fiber structure comprising polyamide-based fibers (preferably fibers of nylon 6 and nylon 66 fibers), polyester-based fibers (preferably polyethylene terephthalate and polybutylene terephthalate fibers) and a polyolefinic resin (e.g. low-density polyethylene) is blended with (B) 1-50wt.% polyolefin modified with alpha,beta-unsaturated carboxylic acid (derivative) and/or a metallic ion-containing ethylene copolymer and kneaded in a molten state preferably at 240-270 deg.C to give the objective composition. The modified polyolefin, for example, is obtained by grafting maleic anhydride onto a polyethylene.

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